SAMSUNG

DIRECTV
Multi-Satellite Receiver

SIR-S60W

Owner's Manual

Warning! Important Safety Instructions

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol indicates high voltage is present inside.
It is dangerous to make any kind of contact with any inside part of this product.

This symbol alerts you that important literature concerning operation and maintenance has been included with this product.

Note to CATV system installer: This reminder is provided to call CATV system installer's attention to Article 820-40 of the National Electrical Code that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical.

Caution: FCC regulations state that any unauthorized changes or modifications to this equipment may void the user's authority to operate it.

Caution: To prevent electric shock, match the wide blade of plug to the wide slot, and fully insert the plug.

Important: One Federal Court has held that unauthorized recording of copyrighted TV programs is an infringement of U.S. copyright laws.

To prevent damage which may result in fire or electric shock hazard, do not expose this appliance to rain or moisture.

Warning! Important Safety Instructions

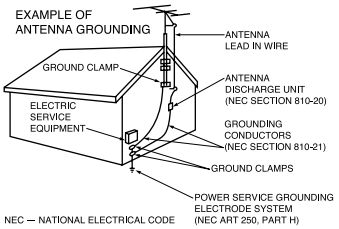
Always be careful when using this product. To reduce the risk of fire, electrical shock, and other injuries, keep these safety precautions in mind when installing, using, and maintaining your Multi-Satellite Receiver.

- Read all safety and operating instructions before operating this product.
- Keep the safety and operating instructions for future reference.
- Heed all warnings on the product and in the operating instructions.
- Follow all operating and use instructions.
- Unplug the product from the wall outlet before cleaning. Use a damp cloth; do not use liquid or aerosol cleaners.
- Never add any attachments and/or equipment without approval of the manufacturer. Such additions can increase the risk of fire, electric shock, or other personal injury.
- Do not use the product where contact with or immersion in water is a possibility, such as near bath tubs, sinks, washing machines, swimming pools, etc.
- Do not place the product on an unstable cart, stand, tripod, bracket, or table where it can fall. A falling product can cause serious injury to a child or adult, and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer or sold with the product. Follow the manufacturer's instructions when mounting the unit, and use a mounting accessory recommended by the manufacturer. Move the product and cart with care. Quick stops, excessive force, and uneven surfaces can make the unit and cart unsteady and likely to overturn.

- Provide ventilation for the product. The unit is designed with slots in the cabinet for ventilation to protect it from overheating. Do not block these openings with any object, and do not place the product on a bed, sofa, rug, or other similar surface. Do not place it near a radiator or heat register. If you place the product on a rack or bookcase, ensure that there is adequate ventilation and that you have followed the manufacturer's instructions for mounting.
- Operate your product only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your home, consult your appliance dealer or local power company.
- Use only a grounded or polarized outlet. For your safety, this product is equipped with a polarized alternating current line plug having one blade wider than the other. This plug will fit into the power outlet only one way. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug still does not fit, contact your electrician to replace your outlet.
- Protect the power cord. Power supply cords should be routed so that they will not be walked on or pinched by objects placed on or against them. Pay particular attention to cords at plugs, convenience receptacles, and the point where they exit from the unit.
- Unplug the product from the wall outlet and disconnect the antenna or cable system during a lightning storm or when left unattended and unused for long periods of time. This will prevent damage to the unit due to lightning and power-line surges.

Warning! Important Safety Instructions

- Avoid overhead power lines. An outside antenna system should not be placed in the vicinity of overhead power lines or other electric light or power circuits or where it can fall into such power lines or circuits. When installing an outside antenna system, be extremely careful to keep from touching the power lines or circuits. Contact with such lines can be fatal.
- Do not overload the wall outlet or extension cords. Overloading can result in fire or electric shock.
- Do not insert anything through the openings in the unit, where they can touch dangerous voltage points or damage parts. Never spill liquid of any kind on the product.
- Ground outdoor antennas. If an outside antenna is connected to the product, be sure the antenna is grounded so as to provide some protection against voltage surges and built-up static charges. Section 810 of the National Electrical Code, ANSI/NFPA No.70-1984, provides information about proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.



- Do not attempt to service the product yourself. Refer all servicing to qualified service personnel. Unplug the unit from the wall outlet and refer servicing to qualified service personnel under the following conditions:
  - when the power-supply cord or plug is damaged
  - if liquid has been spilled on the unit or if objects have fallen into the unit
  - if the product has been exposed to rain or water
  - if the product does not operate normally by following the operating instructions
  - if the product has been dropped or the cabinet has been damaged
  - when the product exhibits a distinct change in performance
- If you make adjustments yourself, adjust only those controls that are covered by the operating instructions. Adjusting other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal.
- When replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer or those that have the same characteristics as the original part. Unauthorized substitutions may result in additional damage to the unit.
- Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in a safe operating condition.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference that may cause undesired operation.

This satellite receiver provides display of television closed captioning in accordance with §15.119 of the FCC rules.

Notice

Attention

Telephone Line Interruption

Periodically, purchase information is sent from the Multi-Satellite Receiver via your telephone line to a toll free 1-800 number. These calls are typically made in the middle of the night; your phone is in use for approximately 30 seconds.

Trademark

Samsung is a trademark of Samsung Electronics. DIRECTV, the Cyclone Design logo and DIRECTV INTERACTIVE are trademarks of DIRECTV, Inc., a unit of Hughes Electronics Corp, and are used with permission.

Macrovision Information

This equipment incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology is granted by Macrovision for home and other limited pay per view uses only.

Program Recording Restrictions

Television programs and films are copyrighted. Programs and films may be taped for private home-viewing only. Some pay per view programs may be licensed as "view-only" programs.

Owner's Record

The model and serial numbers are located on the bottom of the DIRECTV Multi-Satellite Receiver. The number for the Access Card is on the back of the card and on the carton label. Record these numbers for reference when calling your sales or service representative regarding this product.

Model Number : _____

Serial Number : _____

Access Card Number : _____

Customer Support

For DIRECTV® Programming

For subscription information, or to resolve problems related to programming, call: DIRECTV at 1-800-DIRECTV (1-800-347-3288) or visit the web site of DIRECTV (DIRECTV.com).

For Installation

To arrange for the installation of your Multi-Satellite Receiver, call the dealer from whom you purchased your system.

For Hardware

To resolve problems related to this Multi-Satellite Receiver, call Samsung Customer Support at 1-800-522-2946.

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Setting Up and Connecting

Welcome to DIRECTV!

This Owner's Manual explains how to connect and use your new DIRECTV System. The first three sections of this manual introduce you to your system.

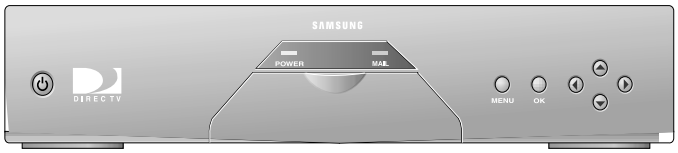
In the introductory sections, you will learn:

- Multiple ways to connect the Multi-Satellite Receiver to your TV set
- How to access programming using the remote control and how to access programming via the front panel of the Multi-Satellite Receiver.

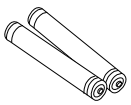
The rest of the manual includes information on the Multi-Satellite Receiver's menu system, warranty, as well as remote control codes for your TV, VCR, and DVD player.

Multi-Satellite Receiver Box Contents

When you unpack your DIRECTV Multi-Satellite Receiver, please check to make sure the box contains all of the items below.
If you are missing any items, contact your Samsung dealer.



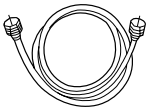
Multi-Satellite Receiver



AAA Size Batteries

RJ-11
Telephone Cord

Remote Control



RF Coaxial Cable

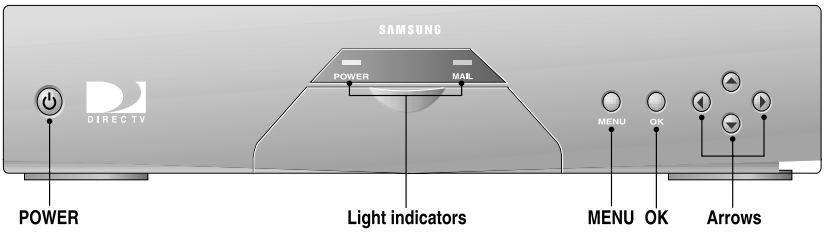
A/V Cable

Access Card

(The Access Card may not be included with your Multi-Satellite Receiver.)

Front Panel Controls and Light Indicators

There are several function buttons and two light indicators on the front panel of your Multi-Satellite Receiver.



POWER

Push this button to turn your Multi-Satellite Receiver on or off.

Note: Your receiver will still receive mail messages and software upgrades when it is turned off.

MENU

Push this button to display the Main Menu.

OK

Push this button to select a highlighted item in the menu system.

Arrows

Push these buttons to navigate left, right, up or down in the menu system.

POWER Light indicator

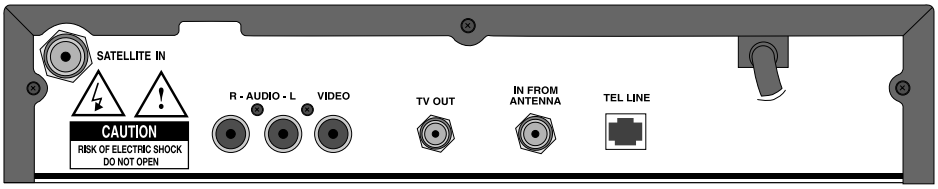
When the receiver is turned on, a red light indicator on the front panel will illuminate.

MAIL Light indicator

If you have an unread mail message, a green light indicator on the front panel will illuminate.

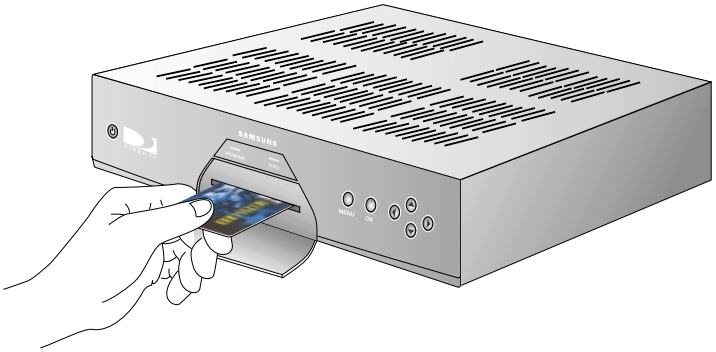
Back of the Multi-Satellite Receiver

The diagram below illustrates the location of the input and output jacks on the back panel of the receiver. When connecting cables to these jacks, please be sure to correctly match the corresponding inputs and outputs.
For example, make sure the coaxial cable from your satellite dish antenna connects to the SATELLITE IN jack.



Inserting the Access Card

You cannot view DIRECTV® programming unless the access card is properly inserted into the Multi-Satellite Receiver.
Open the door on the front panel of the Multi-Satellite Receiver and insert the access card. Make sure the side with the bar code is facing downwards, and the yellow arrow is pointing away from you.
The access card should only be removed when replacing the card with a new one provided by DIRECTV.



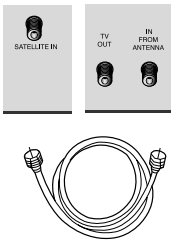
Access card
(Top view)

Setting Up and Connecting

Jacks and Cables

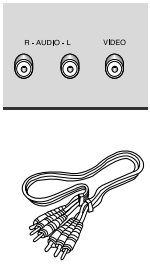
Please read through the description of the jacks and cables included with your Multi-Satellite Receiver. Use these cables to connect your Multi-Satellite Receiver to your TV, VCR, and phone line.

RF Jacks and Coaxial Cable



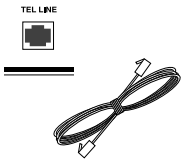
The TV OUT RF jack requires a coaxial cable connection. It outputs monaural sound and a good TV picture. Use this connection if audio/video jack connections are not provided on the back of your TV set. Make this connection with the provided RF coaxial cable. RF jacks are also used for terrestrial antenna (IN FROM ANTENNA) and satellite dish antenna (SATELLITE IN) input connections.

Audio/Video Jacks and Cables (RCA-type)



Audio/Video jacks and cables output stereo sound and a better TV picture than the RF jacks and cables. Use these jacks and cables to connect your receiver to your TV or to other components such as a stereo receiver or amplifier. The audio/video jacks found on the back of the receiver and the audio/video cable connectors are color coded (yellow for video, red for right audio and white for left audio). If your TV set only has one audio input, connect it to the red (right) audio cable connector.

Telephone Jack and Cord



DIRECTV requires your Multi-Satellite Receiver to be connected to a telephone line. Use the TEL LINE jack and the included telephone cord to complete this connection. If your home does not have RJ-11 type phone jacks, please contact your phone company to get one installed.

Please note that periodically, purchase information is sent from the Multi-Satellite Receiver via your telephone line to a toll free 1-800 number. These calls are typically made in the middle of the night; your phone is in use for approximately 30 seconds.

Things to know before you connect the Multi-Satellite Receiver to your TV set and other components

Protect your components from power surges

Always turn off and unplug your Multi-Satellite Receiver, TV, and any other components before connecting or disconnecting any of the cables.

Make sure to position all cables correctly to avoid audio hum or interference

- Make sure that all cables are plugged or screwed tightly into their jacks.
- After connecting the components, please run the audio/video cables along the side of the TV set, rather than straight down the back of the TV.
- Please make sure that all antennas and cables are properly grounded.

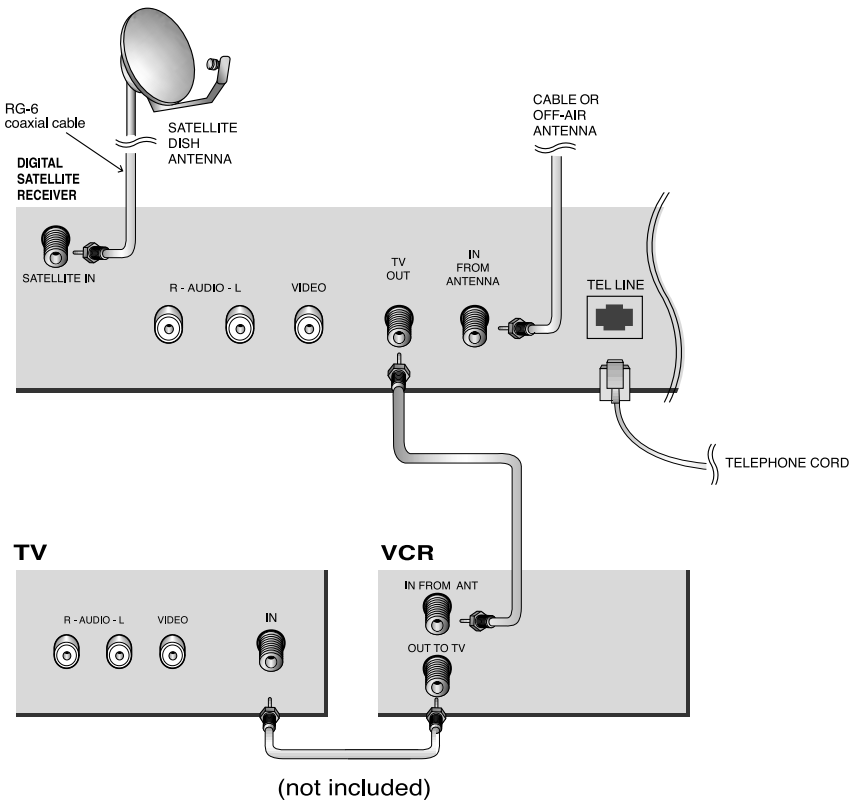
Make sure to protect your components from overheating

- Do not block ventilation holes in the top of the Multi-Satellite Receiver, or any other components. Make sure to position the components so that air can circulate freely.
- Do not stack components.
- If you are positioning the components in a stand or rack, make sure to allow for proper ventilation.
- If you have a stereo amplifier or receiver as a system component, please place it on the top shelf or top rack so that hot air rising from it will not flow around other components.

Connecting the System to your TV

Basic Connection

With this set up, you will be able to watch satellite programming on your TV set with monaural sound. The diagram and instructions show how to set up the connection from the Multi-Satellite Receiver to your TV through a VCR (an additional coaxial cable is required to complete this connection). If you are not using a VCR in your set up, please connect directly from the TV OUT jack on the back of the receiver to the IN jack on the back of your TV set.



Note: Use the provided coaxial cable for best results.

Setting Up and Connecting

Basic Connection Set Up Steps:

1. **Make sure the power cords for your Multi-Satellite Receiver, TV, and VCR are unplugged before connecting any of the cables.**
2. **Connect your satellite dish antenna to the SATELLITE IN jack on the back of the Multi-Satellite Receiver with RG-6 coaxial cable running from the dish.**
3. **Connect your cable or off-air antenna to the IN FROM ANTENNA jack on the back of the Multi-Satellite Receiver with the coaxial cable running from the cable system or installed off-air antenna.**
4. **Connect the Multi-Satellite Receiver TEL LINE jack to a telephone wall jack with the included telephone cord.**
5. **Connect the Multi-Satellite Receiver TV OUT jack to the IN FROM ANT terminal on the VCR with the included short coaxial cable.**
6. **Connect the VCR OUT TO TV jack to the IN terminal on the TV with a short coaxial cable (not included).**
7. **Connect the power cords for your Multi-Satellite Receiver, TV, and VCR to wall outlets.**

To watch DIRECTV® programming

With your VCR in TV mode or powered off, tune your TV to channel 3, the default TV output channel of your system. You can later change the default channel to channel 4 by choosing TV Settings from the Setup Menu (see page 45).

To record DIRECTV® programming

Tune your Multi-Satellite Receiver to the desired channel and set your VCR to record on channel 3 or 4, depending on your setting for the default TV output channel.

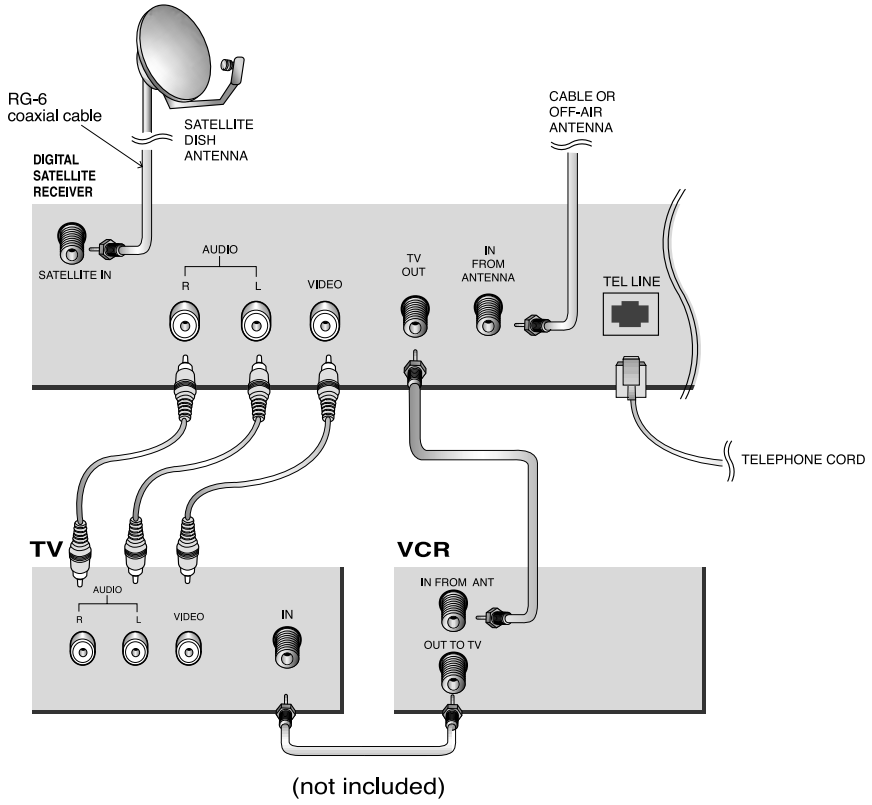
To view VCR recordings

Tune your TV to the default TV output channel (channel 3 or 4) and press play on your VCR.

Connecting the System to your TV

Advanced Connection — for highest quality audio and video

With this set up, you will be able to watch satellite programming on your TV set with stereo sound. The diagram and instructions show how to set up the connection from the Multi-Satellite Receiver to your TV through a VCR (an additional coaxial cable is required to complete this connection). If you are not using a VCR in your set up, please connect directly from the TV OUT jack on the back of the receiver to the IN jack on the back of your TV set in order to receive cable or off-air antenna signals.



Note: Use the provided coaxial cable for best results.

Setting Up and Connecting

Advanced Connection Set Up Steps:

1. **Make sure the power cords for your Multi-Satellite Receiver, TV, and VCR are unplugged before connecting any of the cables.**
2. **Connect your satellite dish antenna to the SATELLITE IN jack on the back of the Multi-Satellite Receiver with RG-6 coaxial cable running from the dish.**
3. **Connect your cable or off-air antenna to the IN FROM ANTENNA jack on the back of the Multi-Satellite Receiver with the coaxial cable running from the cable system or installed off-air antenna.**
4. **Connect the Multi-Satellite Receiver TEL LINE jack to a telephone wall jack with the included telephone cord.**
5. **Connect the Multi-Satellite Receiver TV OUT jack to the IN FROM ANT terminal on the VCR with the included short coaxial cable.**
6. **Connect the VCR OUT TO TV jack to the IN terminal on the TV with a short coaxial cable (not included).**
7. **Connect the red and white audio cables from the R-Audio-L jacks on the back of the Multi-Satellite Receiver to the AUDIO jacks on the TV. Please be sure to match the colors on the jacks with the same colors on the included audio cables.**
8. **Connect the yellow video cable between the VIDEO jack on the back of the Multi-Satellite Receiver to the VIDEO jack on the TV.**
9. **Connect the power cords for your Multi-Satellite Receiver, TV, and VCR to wall outlets.**

To watch DIRECTV® programming

Set your TV to the appropriate A/V mode (TV input selection).
If you have difficulty setting this A/V mode (TV input selection), refer to your TV owner's manual.

To record DIRECTV® programming

Tune your Multi-Satellite Receiver to the desired channel and set your VCR to record on channel 3 or 4, depending on your setting for the default TV output channel.

To view VCR recordings

Tune your TV to the default TV output channel (channel 3 or 4) and press play on your VCR.

Plugging in the Receiver and Turning on the System

1. Plug the end of the power cord completely into a wall outlet.

2. Press the POWER button on the remote control or the front of the Multi-Satellite Receiver. The red light indicator labeled POWER on the front panel will illuminate.
   Press the POWER button again to turn off the Multi-Satellite Receiver.

Setting Up the Satellite Dish Antenna

Make sure your TV and Multi-Satellite Receiver are turned on and connected to each other properly.

Selecting your dish type

1. Access the Main Menu by pressing the MENU button. Select the *Setup* menu, and then select the *Satellite Dish* menu.

2. Highlight the *Select Type* item and press the OK button.

3. Press the OK button repeatedly to toggle through *Round Dish*, *Oval Dish-2 Satellite Locations*, and *Oval dish-3 Satellite Locations*. Pick the dish type you are using with your receiver.

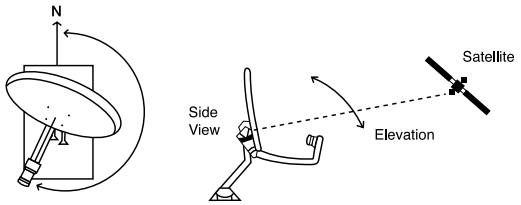
Determing the azimuth and elevation

To properly point your satellite dish antenna at the DIRECTV satellites, you need to know your azimuth, elevation, and tilt (if applicable) coordinates. Azimuth is defined as the angle between magnetic North and the location of the satellites, as measured along the horizon. More simply, azimuth relates to the **left-to-right** positioning of your dish. Elevation is the angular distance of the satellites above the horizon in relation to your dish location. In other words, elevation is the **up-and-down** positioning of your dish.

1. Select the *Select Location* item from the Satellite Dish menu.

2. Enter your 5-digit Zip code using the 0-9 buttons. After entering all 5 digits, the proper azimuth, elevation and tilt (if applicable) values will display for your area.

3 Write down the azimuth, elevation and tilt values. The separate installation instructions that come with your satellite dish antenna will explain how to use these values to properly point your dish.



Azimuth **Elevation**

Checking the signal strength

1 Highlight the *Signal Meter* item in the *Satellite Dish* menu and press the OK button.

2 Check the signal strength values for the different Networks and Transponders supported by your dish. Make minor adjustments to your azimuth, elevation, and tilt (if applicable) values in order to obtain signal strengths as close to 100 as possible. You may need someone to assist you while making these adjustments. For more information about the installation of your satellite dish, please refer to the installation manual that came with your satellite dish equipment.

Ordering DIRECTV® Programming

After you have installed and connected the receiver, you must contact your service provider to create an account in order to receive DIRECTV® programming. To order programming from DIRECTV, please call 1-800-DIRECTV (1-800-347-3288).

With this system, you may be able to receive local channel programming in certain areas of the country. Check with your retailer or visit DIRECTV.com for information on the availability of local channel programming from DIRECTV in your area.

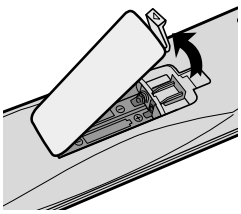
DIRECTV® programming is provided in accordance with the terms and conditions of the DIRECTV Customer Agreement, which is provided at DIRECTV.com or with your first DIRECTV bill.

Activation of programming may be subject to credit approval and requires valid service address, social security number and/or major credit card. Programming subject to change. You must be physically located in the U.S. to receive DIRECTV service. DIRECTV services not available outside the U.S. DIRECTV programming is sold separately and independently of DIRECTV System hardware. A valid programming subscription is required to operate DIRECTV System hardware. Activate your DIRECTV programming today at 1-800-DIRECTV (1-800-347-3288).

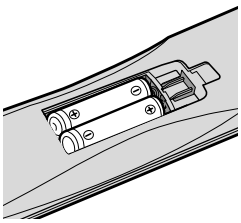
Using Your Remote Control

Installing Remote Control Batteries

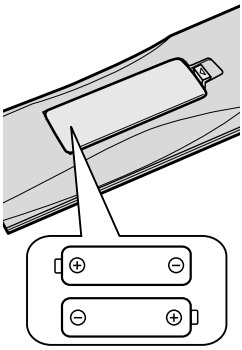
Please follow these steps to install or change the batteries in your remote control.



1 **Unlatch the battery compartment cover on the back of remote control.**



2 **Insert 2 AAA batteries as shown, making sure the + and – ends of each battery line up with the corresponding marks in the battery compartment.**



3 **Snap the cover back onto the remote control.**

4 **Test remote control to make sure batteries have been inserted correctly.**
Press the (SAT) button and make sure the button lights up.

Note: Alkaline batteries are strongly recommended for this remote control.

Using Your Remote Control

Remote Control Buttons

Please review this diagram of the remote control provided with your system. Aim the remote at your Multi-Satellite Receiver and gently press a button to access its function. If you want the remote control to control your TV, VCR, or DVD player, please refer to the section on programming your remote control.

POWER
Press the Power button to turn the device you are controlling on or off.

SET
Use this button when programming your remote control to operate your TV, VCR, or DVD player.

TV
Press this button to make the remote control operate your TV. To operate your TV with the remote control, you have to first program this button. Please refer to the section on programming your remote control.

SAT
Press this button to make the remote control operate your Multi-Satellite Receiver.

VCR
Press this button to make the remote control operate your VCR. To operate your VCR with the remote control, you have to first program this button. Please refer to the section on programming your remote control.

DVD
Press this button to make the remote control operate your DVD player. To operate your DVD player with the remote control, you have to first program this button. Please refer to the section on programming your remote control.

VOL+/-
Press these buttons to adjust the volume level of your TV. To operate your TV with the remote control, you have to first program the TV button. Please refer to the section on programming your remote control. You can control the volume of your TV when in TV, SAT, or VCR mode.

MUTE
Press this button to mute the TV audio. Press it again to unmute the TV audio. For this button to function properly, you need to first program the TV button. Please refer to the section on programming your remote control. You can mute your TV when in TV, SAT, or VCR mode.

Using Your Remote Control

CH+/-
Press these buttons to change channels on your TV or Multi-Satellite Receiver. To operate your TV with the remote control, you have to first program the TV button. Please refer to the section on programming your remote control.

INFO
Press this button to display the Channel Banner and information about the current program.This button works when you are watching DIRECTV programming or in the guide.

EXIT
Press this button to exit any menu and return to the program you were watching.

MENU
Press this button to access the Main Menu.

QUICK
Press this button to display the QUICK GUIDE.

GUIDE
Press this button to display the GUIDE.

Up/Down/Left/Right Arrows
Use these buttons to scroll through any on-screen menu.

OK/¿
Press this button to select highlighted items in the menu system. After entering a channel number using the 0-9 buttons, you can press the OK button to tune to that channel. This button also accesses DIRECTV INTERACTIVE™ program enhancements when you see the icon appear on your TV screen.

WHO (RED button)
Press this button to change the current user profile.

AUDIO (GREEN button)
While watching TV, press this button to select an alternate audio track. While in the GUIDE, press this button to view future program listings in the guide.

BACK (YELLOW button)
Press this button to return to the previous channel you were watching, or to return to a previous menu screen. While in the GUIDE, press this button to sort the program listing by category.

FREEZE (BLUE button)
Press this button to take a still picture of the TV screen. Press it again to resume the program you were watching. You can catch important information using the Freeze button, such as toll free numbers from TV advertisements. While in the GUIDE, press this button to sort the program listings by subcategory.

Number buttons (0-9)
Press the number buttons to tune directly to a particular channel or to enter numerical values in the menu system.

► (PLAY)
Press this button to PLAY a VCR tape or DVD disc.

■ (STOP)
Press this button to STOP a VCR tape or DVD disc.

● (RECORD)
Press this button to RECORD to a VCR tape.

II (PAUSE)
Press this button to PAUSE a VCR tape or DVD disc. Press PLAY or PAUSE again to resume.

◄◄ (REW)
Press this button to Rewind a VCR tape or DVD disc.

►► (FF)
Press this button to Fast Forward a VCR tape or DVD disc.

? (HELP)
Press this button to display help messages about the screen or menu currently on the TV.

Programming Your Remote Control

Manual Mode

You can program your remote control to operate other components in your home entertainment system such as your TV, VCR, or DVD player. You can enter individual device codes using the manual mode.

1. **Turn on the device you want to control.**
2. **Aim the remote control at the device.**
3. **Press the device button (example: TV) and the SET button simultaneously. The device button should light up.**
4. **Enter the three-digit code of your device (see Appendix). If the entered code is correct, the device will turn off.**
5. **Press the device button again. The button should blink twice and then turn off.**

Scaning Mode

Use the scanning mode to scan through the list of codes for a particular device. This could take some time because there might be many codes for the selected device.

1. **Turn on the device you want to control.**
2. **Aim the remote control at the device.**
3. **Press the device button and the SET button simultaneously. The device button should light up.**
4. **Repeatedly press the CH+ or the CH- button to scan through the device codes. The device button will blink each time you press the CH+ or CH- button.**
5. **When the device turns off, stop pressing the CH+/CH- buttons.**
6. **Press the device button again. The button should blink twice and then turn off.**

To operate a device using your remote control, first press the corresponding device button (TV , SAT , VCR , DVD). The TV , VCR , and DVD buttons need to be programmed to work the particular components of your entertainment system.

Viewing DIRECTV® Programming

Changing Channels

There are several ways to change the channel you are watching:

1. Press the CH+ button on the remote control to tune to a higher channel number. Press the CH- button to tune to a lower channel number.
2. Enter a channel number directly with the 0-9 number buttons. After entering a number, press the OK button or wait a few seconds for the system to tune to the new channel.
3. Use the Quick Guide (see page 22) or the Full-Screen Guide (see page 25) to change channels.

Channel Banner

The Channel Banner displays at the top of the screen for a few seconds after changing the channel. Press the EXIT button to remove the Channel Banner from the screen, or wait a few seconds for it to automatically disappear. The Channel Banner displays the channel logo, name, and number; current profile, time and date; program title, category, start time, and end time; rating information, and relevant icons.

Information Banner

Press the INFO button to display the Information Banner. Press the EXIT or INFO button a second time to remove the banner (it will also automatically disappear after a few seconds). The Information Banner contains the Channel Banner and information about the current program.

Channel Banner Icons

Your system displays a number of graphical icons in the channel banner to provide you with program and system information.

ALTERNATE AUDIO
This icon appears when additional audio tracks are available.
Press the green (AUDIO) button to choose an alternate audio track.

LOCK
This icon appears when the system is locked.

UNLOCK
This icon appears when the system is temporarily unlocked.

MAIL
This icon appears when there are unread mail messages from DIRECTV in your system mailbox.

MUSIC
This icon appears when the channel is a music only channel.

PAY PER VIEW
This icon appears when the program is a Pay Per View program.

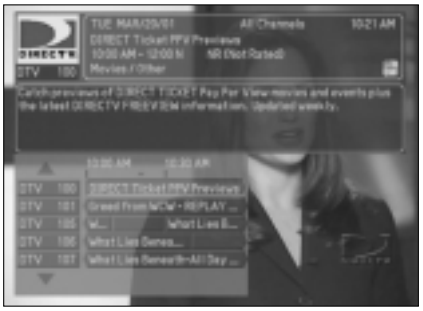
CLOSED CAPTION
This icon appears when closed captioning is available for a program.

DIRECTV INTERACTIVE™
This icon appears when a channel or program is interactive.
When the flashes on screen, press the (OK) button to access the interactive program enhancements.

Viewing DIRECTV® Programming

QUICK GUIDE

The QUICK GUIDE screen is a feature that allows the current program to play in the background while viewing a list of channels, program titles and times.



1 **To display the Quick Guide, press the (QUICK) button on the remote control. The TV program you are watching will continue to play in the background.**

2 **The Quick Guide initially displays program listings for the next 30 minutes. You can expand Quick Guide timeline by pressing the ► button. Pressing the ◄ button will reduce the Quick Guide timeline.**

Use the ▲/▼ buttons to scroll through channels one at a time in the Quick Guide.

Use the (CH+)/(CH-) buttons on the remote control to scroll through the Guide more quickly. While in the Quick Guide, these buttons act as page up and page down buttons.

Use the (OK) button to tune to a current program, or to schedule a timer for a future program.

3 **When you press the (INFO) button while in the Quick Guide, the Information Banner appears. It displays information about the highlighted program in the Quick Guide. Press the (INFO) button again to remove the Information Banner from the Quick Guide.**

4 **Press the (EXIT) button or the (QUICK) button again to exit the Quick Guide.**

Viewing DIRECTV® Programming

DIRECTV INTERACTIVE™

Your Multi-Satellite Receiver has an interactive television service called DIRECTV INTERACTIVE™ powered by Wink Communications®. With DIRECTV INTERACTIVE™, you have the opportunity to interact with TV programming just by using your remote control. You can get up-to-the minute news, sports, weather, & program information, respond to free offers during commercials, and even make purchases while you watch TV.
The DIRECTV INTERACTIVE™ logo, , will flash in the upper left-hand corner of your TV screen during programs and commercials that are interactive. Any time after the logo first appears, just press the (OK) button on your remote to open the interactive window. Then, use the arrow buttons to move around the window and the (OK) button to make selections.
For more information on using DIRECTV INTERACTIVE™ or to sign up to shop, tune to Ch. 499, the DIRECTV INTERACTIVE™ Center.

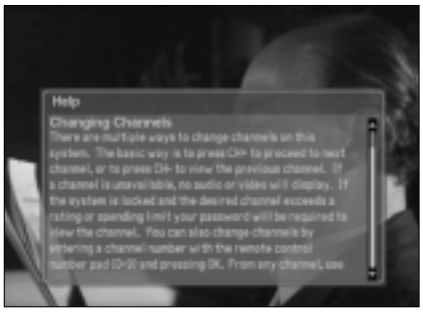
1 **Press the (OK) button on the remote control when the icon flashes in the upper left hand corner of the screen.**

2 **Use the ▲, ▼, ◄, and ► buttons to scroll through the interactive screen.**

3 **Press the (EXIT) button to exit the interactive screen, or follow the on-screen instructions to hide it.**

Help Screen

Your Multi-Satellite Receiver contains an on-screen help system to explain system functions and menu screens.



1 **To access help at any time, press the (?) button on the remote control.**

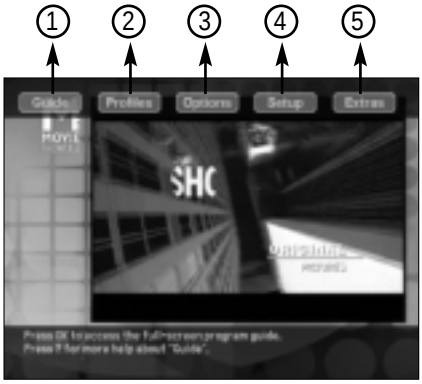
2 **Use the ▲/▼ buttons to scroll through the help message.**

3 **Press the (?) button again or the (EXIT) button to exit the help message.**

Menu Overview

Main Menu

To access the Main Menu, press the MENU button on the remote control or the MENU button on the front panel. The Main Menu contains five choices: *Guide*, *Profiles*, *Options*, *Setup* and *Extras*.



1 Guide

The full-screen program GUIDE contains detailed programming information from DIRECTV.
The GUIDE displays all channels and programs on DIRECTV, sorted by time and channel number. It also provides access to detailed information for each channel and program (if available).

2 Profiles

PROFILES enables you to create and edit favorite channel lists for you or your family. The Profiles menu also allows you to set program rating limits and Pay Per View spending limits. Any restrictions set for the "Family" option will only take effect after the system is locked.

3 Options

OPTIONS allows you to customize the look and feel of the on-screen displays (such as adjusting Screen Color and Translucency). The OPTIONS menu also contains a Timers feature for scheduling programs, a Mail Box for receiving messages from your service provider, menus to Review Purchases, a portal to DIRECTV INTERACTIVE™, and an option to select the preferred default Audio.

4 Setup

SETUP helps you properly install your satellite dish antenna and adjust the satellite receiver's connection to your TV set. From this menu, you can also test your system and view the system features. Other submenus enable you to replace your access card and check future/past software upgrades.

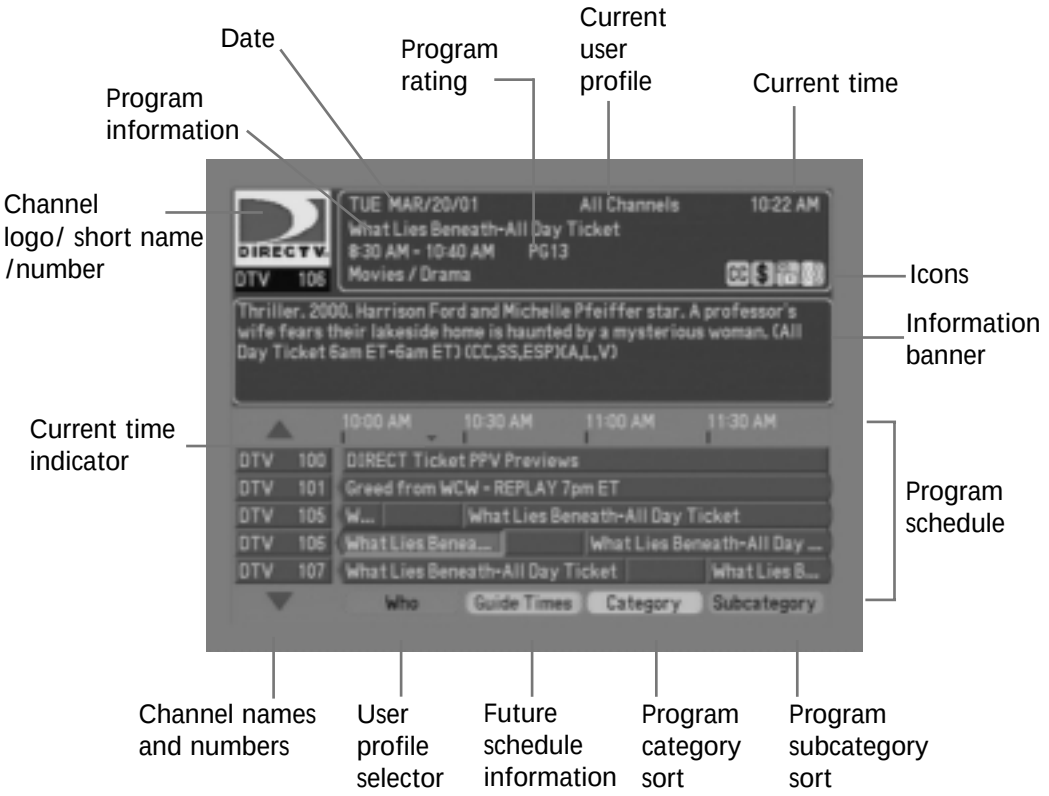
5 Extras

EXTRAS contains an electronic calendar and a daily biorhythm chart.

Menu Overview: Guide

Full-Screen Program Guide

Your system contains detailed program and channel information in the Full-Screen Program Guide. Press the GUIDE button on the remote control or select *Guide* from the Main Menu to access the Full-Screen Program Guide. Press the GUIDE button again or the EXIT button to exit the Guide.



Note: Press the INFO button on the remote control to access detailed information on any highlighted program. Press the INFO button again to hide the Information Banner.

Menu Overview: Guide

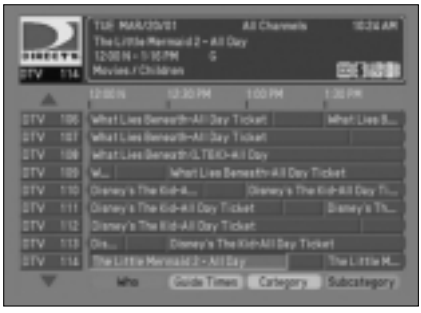
Scrolling

Scrolling channels

1 **Use the ▲/▼ buttons to scroll through channels one at a time in the Guide.**

2 **Use the CH+/CH- buttons on the remote control to scroll through the Guide more quickly. While in the Guide, these buttons act as page up and page down buttons.**

Scrolling programs



1 **Use the ◄/► buttons to scroll through the scheduled programs for a particular channel in the Guide.**

Color Button Functions

The green, yellow, and blue color buttons function differently while in the Full-Screen Guide. Instead of performing the function labeled on the remote control, they perform the function corresponding to the colored indicator at the bottom of the Guide.

Menu Overview: Guide

Who: Red (WHO) Button

While in the the Guide, you can select a different user profile.
To learn how to modify user profiles, refer to the Profiles section of the Menu Overview.

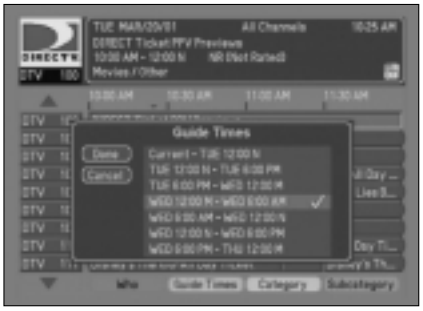
1 **Press the red (WHO) button on the remote control to access this menu.**

2 **Highlight the user you want and press the (OK) button. The selected user will be marked with a ✓ .**

3 **Highlight and select *Done* to make the change effective, or highlight and select *Cancel* to cancel the change.**

Guide Times: Green (AUDIO) Button

The Guide displays two hours of scheduled programming at a time on the screen. Program listings beyond two hours can be viewed by pressing the ► button or the green (AUDIO) button.



1 **Press the ► button to view future program listings beyond the two hours displayed on-screen.**

2 **To quickly view future program listings, press the green (AUDIO) button.**

3 **Highlight the guide time you want to view and press the (OK) button. The selected guide time will be marked with a ✓.**

4 **Highlight and select *Done* to make the change effective, or highlight and select *Cancel* to cancel the change.**

Menu Overview: Guide

Category: Yellow (BACK) button

The Guide can be sorted by program category.

1. **Press the yellow (BACK) button on the remote control to sort the Guide by program category.**
2. **Highlight a category and press the (OK) button. The selected category will be marked with a ✓.**
3. **Highlight and select *Done* to make the change effective, or highlight and select *Cancel* to cancel the change.**

Subcategory: Blue (FREEZE) Button

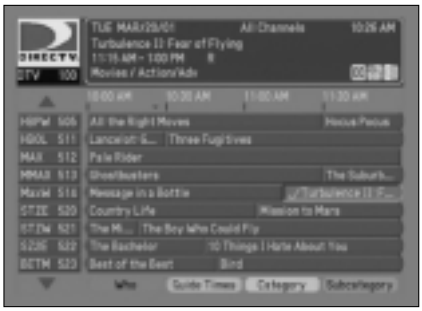
The Guide also can be sorted by program subcategories.

1. **Press the blue (FREEZE) button to sort the Guide by program subcategories.**
2. **Highlight the subcategories you want and press the (OK) button to mark each one with a ✓.**
3. **Highlight and select *Done* to perform the subcategory sort, or highlight and select *Cancel* to cancel it. To clear the selected subcategories, highlight *Clear* and press the (OK) button.**

Note: To select subcategories, you must select a category first.
If you change the category, the subcategory sort will need to be performed again.

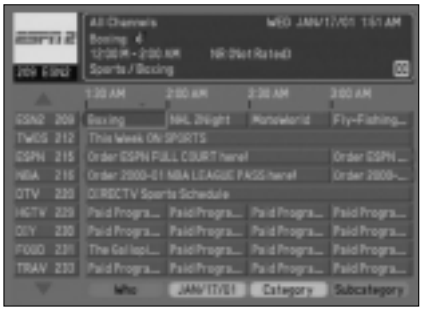
Menu Overview: Guide

Scheduling Future Programs



Schedule your system to automatically tune to a future program by highlighting it in the Guide and pressing the OK button. The scheduled program will be marked with a ✓. You can schedule up to 8 programs. To learn more about scheduling Pay Per View programs, see page 31. See page 37 for more information on Timers.

Tuning to a Current Program



Tune to a current program on a different channel by highlighting the program in the Guide and then pressing the OK button.

Purchasing Pay Per View Programs

If you are a DIRECTV customer and your telephone line is connected to your receiver, you can purchase DIRECTV® Pay Per View movies and events.

Pay Per View Purchase Screen

1 **To purchase a Pay Per View program, first press the GUIDE button to find a Pay Per View program you want to watch. Pay Per View programs are marked with the $ icon. You can purchase both current and future Pay Per View programs.**

2 **To display the Pay Per View purchase screen, highlight and select a Pay Per View program. The Pay Per View purchase screen displays information about the program and the price of the purchase.**

3 **To purchase the program, highlight *Buy* on the purchase screen and press the OK button.**

Note: Be sure the telephone line is properly connected before making a purchase. If the receiver is locked and the program costs more than your spending limit, you will be asked to enter a four digit password to override these restrictions.

Menu Overview: Guide

Pay Per View Timer Setting

After purchasing a Pay Per View, you can schedule a timer to automatically tune your system to the program.

1. **To schedule a timer for a Pay Per View program, highlight** *Set Timer* **and press the OK button.**
2. **If a timer is available, it will be scheduled, and the** *Set Timer* **button will change to** *Cancel Timer*. **Highlight it and press the OK button again to cancel the timer that was just set.**

Other Pay Per View Showings

The Other Showings button allows you to purchase a different showing of a Pay Per View program.

1. **Highlight the** *Other Showings* **button and press the OK button.**
2. **Select a time range you wish to search in the Guide.**
3. **If you find a different showing you want to purchase, highlight it and press the OK button.**
4. **To purchase the new program showing, highlight the** *Buy* **button on the purchase screen and press the OK button.**

Menu Overview: Profiles

To access the *Profiles* menu, first access the Main Menu by pressing the MENU button on the remote control or front panel. Then highlight *Profiles* and press the OK button.

Family

The Family profile is the master profile for your system. Any edits to the Family profile channel list will also take effect in the User 1-4 profiles. The Family profile also sets the system rating limit and the system spending limits.
No settings will take effect unless the system is locked with a password. However, blocked channels will be removed from the guide and skipped when changing channels with the CH+/CH- buttons even when the system is unlocked. You can still view a blocked channel while the system is unlocked by directly tuning to it with the 0-9 buttons.

Edit channel list

Follow these steps to edit the channel list for the Family profile.

1 **Highlight the *Edit Channel List* option and press the OK button.**

2 **Scroll through the channels in the View column and press the OK button to move a particular channel to the Block column. When the system is locked, channels in the Block column will be unviewable unless the system password is entered.**

3 **If you want to move a channel from the Block column back to the View column, highlight the blocked channel and press the OK button.**

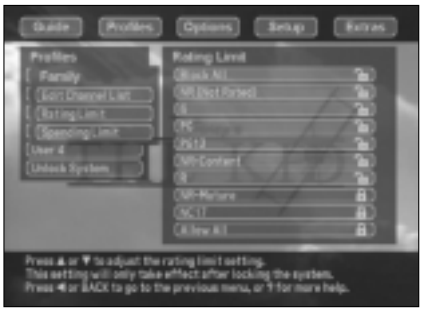
4 **You can view all channels or block all channels by selecting the appropriate button and pressing the OK button.**

Note: When the system is locked, channels blocked in the Family profile will remain blocked even if you choose a different profile.

Menu Overview: Profiles

Rating Limit

The Rating Limit function allows you to block programs that exceed a selected rating. The rating scale is similar to the movie rating system.



1 **Highlight and select the *Rating Limit* option within profiles to access this menu.**

2 **To change the setting, select a rating limit using the ▲/▼ buttons.**

3 **For the rating limit to take effect, the system must be locked. Please refer to the Lock/Unlock system section of this manual for instructions.**

Note: Once locked, the system will ask you to enter your password in order to view a program that exceeds your rating limit setting.

Spending Limit

The Spending Limit function allows you to block the purchase of Pay Per View programs that exceed your per-event dollar amount setting.

1 **Highlight and select the *Spending Limit* option within profiles to access this menu.**

2 **Use the ⓪-⑨ buttons to set the spending limit per event.**

3 **For the spending limit to take effect, the system must be locked. Please see the Lock/Unlock System section of the manual for instructions.**

Note: Once locked, the system will ask you to enter your password if you want to view a program that exceeds your Spending Limit.

Additional User Profiles (1-4)

The User 1-4 profiles are channel lists you can define and customize with a new name.

Edit Channel List

Follow these steps to edit the channel list for each user profile. Please remember that these channels will not be blocked from viewing unless the system is locked. See the Lock/Unlock System section of the manual for instructions.

1 **Highlight** *User 1, User 2, User 3* **or** *User 4* **while in the Profiles menu and press the OK button.**

2 **Then Highlight the** *Edit Channel List* **option and press the OK button.**

3 **Scroll through the channels in the View column and press the OK button to move a particular channel to the Block column. When the system is locked, channels in the Block column will be unviewable unless the system password is entered.**

4 **If you want to move a channel from the Block column back to the View column, highlight the blocked channel and press the OK button.**

5 **You can view all channels or block all channels by selecting the appropriate button and pressing the OK button.**

Note: When the system is locked, channels blocked in the Family profile will remain blocked even if you choose a different profile.

Menu Overview: Profiles

Edit User Name

The user names (User 1 - User 4) can be customized to names of your choice.

1 **Select** *User1, User2, User3,* **or** *User4* **while in the Profiles menu.**

2 **Highlight the** *Edit User Name* **option and press the** (OK) **button.**

3 **You can name the user by using the ▲/▼/◀/▶ and** (OK) **buttons to highlight and select characters to spell the new name. Please note that the system can only take names up to 8 letters long.**
If you try to input more than 8 letters for a name, the system will not accept any of the additional letters.

4 **When finished, highlight** *Done* **and press the** (OK) **button.**

Menu Overview: Profiles

Lock/Unlock System

Locking Profiles

After setting your profiles (rating and spending limits, channel lists, and new User names), the system needs to be locked for them to take effect. After selecting the *Lock System* button you will be prompted to enter a four digit password.

1 **Highlight the *Lock System* option and press the OK button to access the password screen.**

2 **Enter a 4-digit password using the 0-9 buttons. Once entered and confirmed, you must enter this password to modify channel lists, rating limits, or spending limits, or to temporarily override any of these restrictions. While the system is locked, the icon will appear in the channel banner, and the *Lock System* button in the Profiles menu will change to *Unlock System*.**

Permanently Unlocking Profiles

Please note that when you unlock the profiles, any channel blocks, spending limits, or rating limits that you have set are no longer enforced. To lock the system again you must repeat Steps 1 and 2 above. You may use a new password each time you re-lock the system.

Note: If you forget your four-digit password, you must call your service provider for assistance.

Temporarily Unlocking Profiles

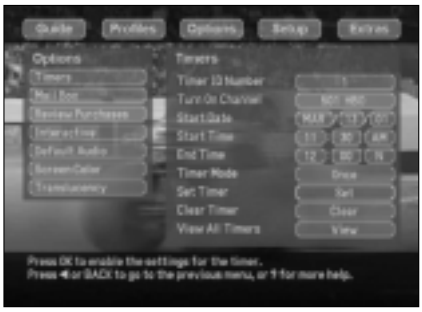
When you access blocked channels, or programs that exceed your spending or rating limit, you will be asked for your password. After the correct four-digit password is entered, your receiver will remain temporarily unlocked until you turn off your Multi-Satellite Receiver. All locks and limits will be enforced again when your system is turned on again. While the system is temporarily unlocked, the icon will appear in the channel banner.

Menu Overview: Options

To access the *Options* menu, first access the Main Menu by pressing the MENU button on the remote control or front panel. Then highlight *Options* and press the OK button.

Timers

Setting this function will automatically tune the system to a selected channel at a selected time and date.



Timer ID Number

The Timer function allows you to set up to 8 timers. Select a *Timer ID Number* by pressing the OK button repeatedly to scroll through these numbers.

Turn On Channel

To select the channel you want to schedule with a timer, enter the channel number using the 0-9 buttons and then press the OK button.

Starting Date

To select the date you want to schedule with a timer, press the OK button to change the month. Then, use the OK button or the 0-9 buttons to change the day or year.

Start Time

To select the start time for your timer, press the OK button or the 0-9 buttons to change the hour and minute. Press the OK button to toggle between AM and PM or N (for noon) and M (for midnight).

End Time

To select the end time for your timer, follow the same instructions above for selecting a Start Time.

Menu Overview: Options

Timer Mode

To set the timer to work Once, Daily, or Weekly, highlight *Timer Mode* and toggle through the three modes by pressing the OK button.

Set Timer

To activate the timer, highlight *Set Timer* and press the OK button. Once activated, a ✓ will appear next to the Timer ID Number.

Clear timer

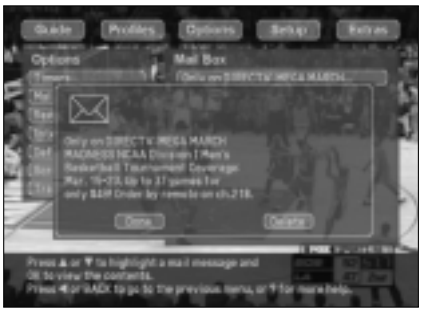
To clear and cancel a timer, highlight *Clear Timer* and press the OK button. Clearing a timer will remove the ✓ next to the Timer ID Number.

View All Timers

To view all set timers, highlight *View* and press the OK button. A list of all Timer ID Numbers and their settings will be displayed.

Mail Box

Your service provider may notify you about important system information, upcoming special events, special offers, or promotions. When a mail message arrives, the mail icon, ✉, will appear in the channel banner, and the green MAIL light on the front panel of the receiver will illuminate. Once all new messages have been read, the mail icon will disappear and the MAIL light will turn off.



1 **To view your mail, while in the *Option* menu, highlight the *Mail Box* item and press the OK button.**

2 **Select a mail message using ▲/▼ buttons and press the OK button to read the message.**

3 **After you have read the message, follow the on-screen instructions to delete it.**

Menu Overview: Options

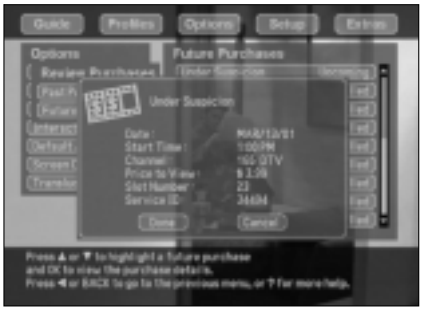
Review Purchases

The Review Purchases option displays past and future Pay Per View programs that have been purchased.

Past Purchases

1. **To view past purchases, while in the *Options* menu, highlight the *Review Purchases* item and press the OK button.**
2. **Highlight the *Past Purchases* item and press the OK button.**
3. **Select a past purchase using ▲/▼ and the OK button.**

Future Purchases.



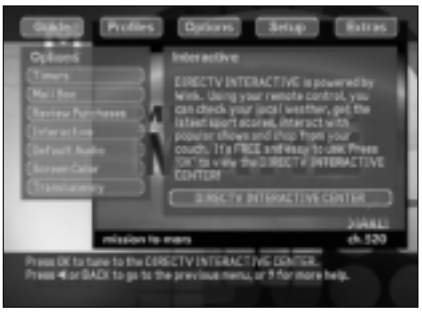
1. **To view future purchases, while in the *Options* menu highlight the *Review Purchases* item and press the OK button.**
2. **Highlight the *Future Purchases* item and press the OK button.**
3. **Select a future purchase using ▲/▼ and the OK button.**

Note: You can cancel a future purchase from this menu. After selecting the purchase, highlight *Cancel* and press the OK button.

Menu Overview: Options

Interactive

Your Multi-Satellite Receiver has DIRECTV INTERACTIVE™, which lets you use your remote control to get up-to-the minute information, respond to free offers & make purchases while you watch TV. Just look for the to flash on-screen and then press the button on your remote to start interacting. The Interactive menu provides more details on this interactive service.


Guide
Profiles
Options
Setup
Extras
Options
Timers
Mail Box
Review Purchases
Interactive
Default Audio
Screen Color
Translucency
Interactive
DIRECTV INTERACTIVE is powered by Wink. Using your remote control, you can check your local weather, get the latest sport scores, interact with popular shows and shop from your couch. It's FREE and easy to use. Press 'OK' to view the DIRECTV INTERACTIVE CENTER!
DIRECTV INTERACTIVE CENTER
mission to mars
ch 520
Press OK to tune to the DIRECTV INTERACTIVE CENTER.
Press ◄ or BACK to go to the previous menu, or ? for more help.

1 **Select** *Interactive* **from the** *Options* **menu and press the button.**

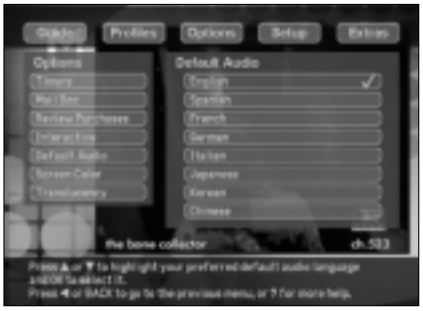
2 **Highlight the** *DIRECTV INTERACTIVE Center* **item and press the button.**

3 **Your system will tune to channel 499. Use the ▲, ▼, ◄ and ► buttons to navigate and the button to make selections in the DIRECTV INTERACTIVE Center.**

Menu Overview: Options

Default Audio

You can select a default audio language for your system (if available).
The default audio language choices are English, Spanish, French, German, Italian, Japanese, Korean, and Chinese.



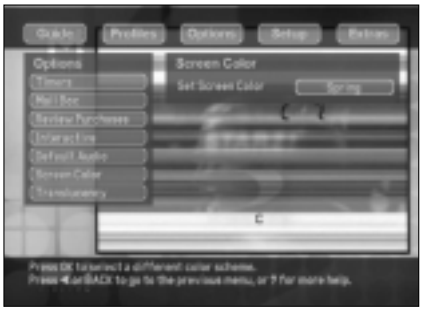
1 **Highlight the *Default Audio* item from the *Options* menu and press the OK button.**

2 **Use the ▲/▼ buttons to highlight a default language.**
Then press the OK button to select it.

3 **Your selection will be marked with a ✓.**

Screen Color

The Screen Color option allows you to change the color of the menu screens. You can choose one of five color schemes: default, spring, summer, fall, and winter.



1 **To access this menu, highlight the *Screen Color* item from the Options menu and press the OK button.**

2 **To select the color set you prefer, press the OK button to toggle through all five color schemes.**

Menu Overview: Options

Translucency

The Translucency menu enables you to choose the Translucency level of menu items that display over video.

1 **To access this menu, highlight the *Translucency* item from the *Options* menu and press the OK button.**

2 **Choose a translucency level using the ▲/▼ buttons to hightlight a level and the OK button to select it.**

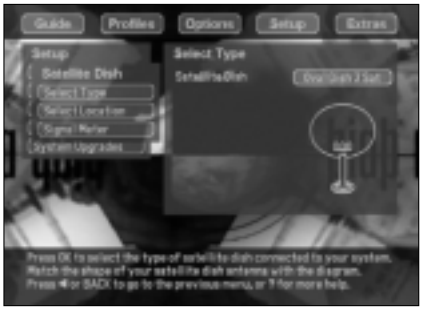
Menu Overview: Setup

To access the *Setup* menu, first access the Main Menu by pressing the MENU button on the remote control or front panel. Then highlight *Setup* and press the OK button.

Satellite Dish

This menu contains the information needed to properly install your satellite dish antenna.

Select Type



1 **Highlight the *Select Type* item from the *Setup* menu and press the OK button to access this menu.**

2 **Press the OK button repeatedly to toggle through the three possible dish types.**
The dish type choices are *Round Dish, Oval Dish-2 Satellite Locations, and Oval Dish-3 Satellite Locations*.
An illustration of each dish type displays when selected.
The system is set to Round Dish by default.

Menu Overview: Setup

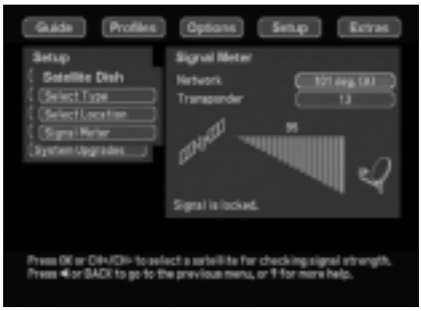
Select Location

The Select Location menu item gives you the pointing coordinates for your satellite dish antenna based on your Zip Code.

1 **Please enter your Zip code using the ⓪-⑨ buttons. After entering all 5 digits of your Zip Code, the proper azimuth, elevation and tilt (if applicable) values will display for your area.**

2 **Please use the azimuth, elevation and tilt values (the tilt value is only needed for the Oval dish) supplied by this menu to point your dish. For more information about the installation of your dish, please refer to the installation manual included with your satellite dish equipment.**

Signal Meter



The Signal Meter menu shows the strength of the received satellite signal.
You can check the signal strength value (1-100) by selecting a Network and a Transponder. Please note that this menu will automatically display the applicable Networks and Transponders for your system configuration.
When pointing your dish, try to obtain signal strengths as close to 100 as possible to reduce the possibility of future programming outages due to weather conditions.

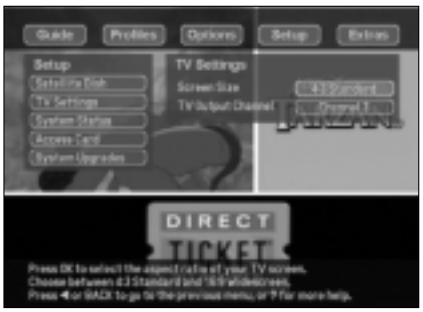
Menu Overview: Setup

TV Settings

Use this menu to set the TV screen size and the TV output channel.

Screen Size

Choose between a 4:3 standard or a 16:9 widescreen screen size.



1 **Highlight and Select the** *TV Settings* **item in the** *Setup* **menu.**

2 **Press the** OK **button to toggle between** *4:3 standard* **and** *16:9 widescreen*.

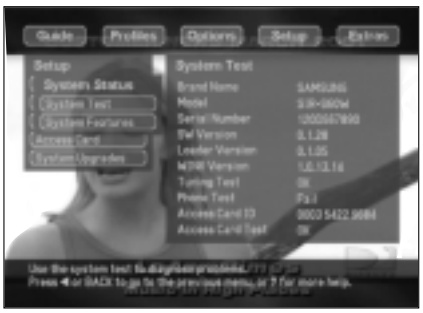
TV Output Channel

Select either *channel 3* or *channel 4* to be your TV output channel by using the OK button.

Note: The TV output channel is the channel your TV must be tuned to in order to watch DIRECTV if you are using the TV OUT coaxial cable connection.

System Status

System Test



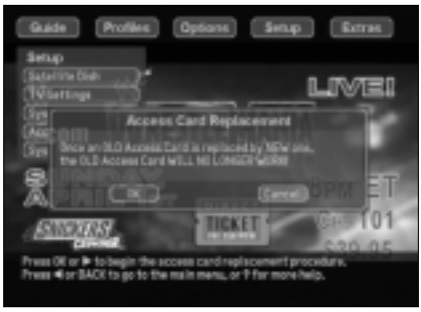
The System Test menu checks whether or not your system is operating normally. This screen tests your satellite tuner, access card, and telephone connection, and displays technical system information. The test also displays the electronic serial number of your Multi-Satellite Receiver and the access card ID number.

Menu Overview: Setup

System Features

The system Features menu shows Guide Type, Network Support, and DIRECTV INTERACTIVE™ Status.

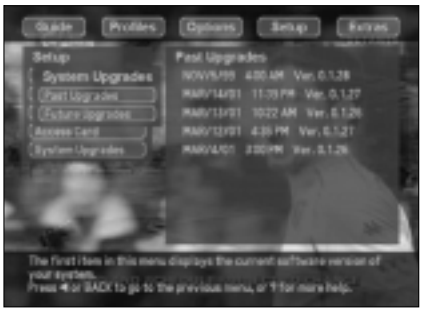
Access Card

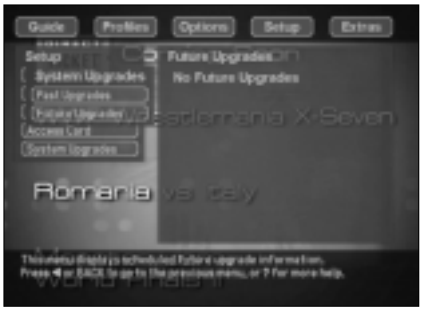


Occasionally, DIRECTV will issue you a new access card to replace the one currently in your system. To replace your access card, select the *Access Card* menu item and follow the on-screen instructions.

Menu Overview: Setup

System Upgrades





Your Multi-Satellite Receiver is designed to receive upgrades or modifications to some of its features and functions. These modifications will occur automatically, usually at times when the receiver would be turned off. If your receiver is on when an upgrade or modification is sent, you may experience a disruption in reception for a minute or two. Your reception should return to normal after the modification is complete. DO NOT unplug your receiver while an upgrade is in progress.

Use the *System Upgrades* menu to access information on system upgrades or modifications scheduled by DIRECTV. This menu also contains information about past system upgrades.

Menu Overview: Extras

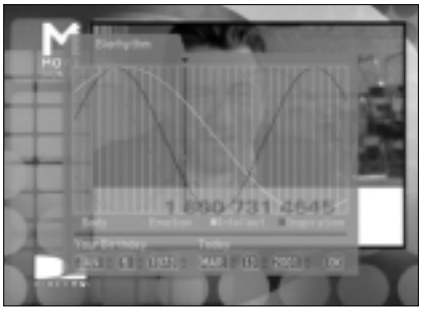
To access the *Extras* menu, press the MENU button on the remote control or on the front panel. Then, highlight *Extras* and press the OK button.

Calendar

1. **Highlight the *Calendar* item from the *Extras* menu and press the OK button.**
2. **Use the ◄/► buttons to change the year.**
3. **Use the ▲/▼ buttons to change the month.**

Biorhythm

Use the Biorhythm feature to check your daily physical, emotional, intellectual and inspirational status.



1. **Highlight *Biorhythm* item from the *Extras* menu and press the OK button.**
2. **Enter your birthday and today's date using the ▲/▼ buttons.**
3. **Highlight *OK* and the press the OK button to display your daily status. The black vertical line represents today's date on the monthly timeline.**

Troubleshooting

Q: I have no picture and no sound and the POWER light indicator does not light.
A: Make sure your receiver is plugged into the power outlet or see if it is turned off.
Check the batteries in the remote control.

Q: I have sound but no picture.
A: Make sure your TV input (A/V mode) is set properly.
Make sure the A/V cables are properly connected.

Q: I have picture but no sound.
A: Make sure the TV is not being muted.

Q: I have no picture and no sound.
A: Make sure the TV is turned on.
Make sure your receiver is turned on.
Make sure your access card is inserted properly into your receiver.
Check the signal strength from the satellite(s).
Make sure the coaxial cable is properly connected to the satellite dish antenna.
Check the connections between your Multi-Satellite Receiver and your TV.
Turn your receiver off, unplug, wait 10 to 20 seconds, plug back in, and turn it on.

Q: I have a frozen screen and the Power button doesn't work.
A: Unplug your receiver for 10 to 20 seconds, plug back in, and turn it on.
Check the batteries in the remote.

Q: I cannot view a program.
A: Make sure your subscription includes the channel you want to watch.
Call your service provider if you are not sure.
Make sure your system is not locked by looking for the icon in the channel banner.

Q: I cannot purchase a Pay Per View program.
A: It may be too late to purchase the program. Try purchasing another showing of the same program.
Make sure the telephone line is properly connected.
If your system is locked, make sure the purchase does not exceed your spending or rating limit.
Your access card may be full. Call your service provider for assistance.

Q: I forgot my password.
A: If you have forgotten your password, call your service provider for assistance.

Technical Specifications

Video Decoding

MPEG-2 compliant
Video format 4:3 and 16:9
Resolution : up to 720 x 480 pixels

Audio Decoding

MPEG-1 layerII, ISO/IEC11172-3
Sampling frequency : 48 kHz

Satellite Antenna Interface

RF Input : F-type connector
RG-6 cable

Input/Output Interface

Satellite input
Video output : RCA type
Audio output : Audio L/R
RF Channel 3/4 :
TV/VCR (input/output)
RJ-11 (Modem Interface)
Smart card reader

Electrical

Main power supply :
90 ~ 250V, 50, 60 Hz
Power consumption : max. 30W

Environment

Temperature
Operating : 32 to 113°F(0 to 45°C)
Storage : 14 to 158°F(-10 to 70°C)

Physical Dimensions

Size :
10.24 in.(W) x 1.96 in.(H). x 7.17 in.(L)
(260mm x 50mm x 182mm)
Weight : 2.87 lbs. (1.3kg)

Package Contents

SIR-S60W Multi-Satellite Receiver
IR universal remote control
Two AAA batteries
Access Card
Owner's Manual
RF Cable
A/V (RCA type) Cable
Telephone code (RJ-11 Interface)

Warranty

SAMSUNG DIGITAL SATELLITE RECEIVER

LIMITED WARRANTY TO ORIGINAL PURCHASER

This SAMSUNG brand product, as supplied and distributed by Samsung Electronics America, Inc. (SAMSUNG) and delivered new, in the original carton to the original consumer purchaser, is warranted by SAMSUNG against manufacturing defects in materials and workmanship for a limited warranty period of:

One (1) Year Parts and Labor*
(*90 Days Parts and Labor for Commercial Use)

This limited warranty begins on the original date of purchase, and is valid only on products purchased and used in the United States. To receive warranty service, the purchaser must contact SAMSUNG for problem determination and service procedures. Warranty service can only be performed by a SAMSUNG authorized service center. The original dated bill of sale must be presented upon request as proof of purchase to SAMSUNG or SAMSUNG's authorized service center. Transportation of the product to and from the service center is the responsibility of the purchaser.

SAMSUNG will repair or replace this product, at our option and at no charge as stipulated herein, with new or reconditioned parts or products if found to be defective during the limited warranty period specified above. All replaced parts and products become the property of SAMSUNG and must be returned to SAMSUNG. Replacement parts and products assume the remaining original warranty, or ninety (90) days, whichever is longer.

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Warranty

adjustments and failure to follow operating instructions, cleaning, maintenance and environmental instructions that are covered and prescribed in the instruction book; product removal or reinstallation; reception problems and distortion related to noise, echo, interference or other signal transmission and delivery problems. SAMSUNG does not warrant uninterrupted or error-free operation of the product.

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Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

To obtain warranty hardware service, please contact SAMSUNG at:

SAMSUNG CUSTOMER SERVICE
400 VALLEY ROAD, SUITE 201, MT ARLINGTON, NJ 07856, TEL: 973-601-6000, FAX: 973-601-6001
1-800-522-2946 and SAMSUNGUSA.COM

061501

Appendix: Code Lists

TV	Code Number
Admiral	072, 081, 160, 161
A Mark	112, 143
Akal	070, 146
Amstrad	052
Anam	043, 054, 056, 080, 112
AOC	070, 004, 058, 112
Audiovox	076, 120
Blaupunkt	088
Cairn	206
Candle	070, 002, 003, 004
Capehart	058
CCE	001, 004, 024
Cetronic	043
Citizen	070, 002, 003, 004, 043 101, 103, 143
Classic	043
Concerto	004
Contec	043, 050. 051
Coronado	143
Craig	043, 054, 191
Crown	043, 143
Curtis Mathes	070, 101, 143, 004
CXC	043
Daewoo	076, 103, 004, 016, 043 114, 120, 127, 143, 128 136, 192, 044
Daytron	004, 143
Dynasty	043
Dynatech	062
Electrohome	024, 076, 120, 143
Emerson	004, 005, 028, 043, 047 048, 050, 051, 076, 120 143, 151, 153, 154, 155 070, 096, 191
Fisher	007, 057
Fujitsu	198
Funal	028, 043
Futuretech	043
GE	160, 165, 161, 070, 008 009, 034, 056, 073, 074 130, 155, 167, 004, 145
Goldstar/LG	004, 106, 110, 112, 119 127, 143, 193
Gradiente	004, 038, 106
Hall Mark	004
Hitachi	011, 004, 009, 010, 012 023, 075, 143, 007, 072 158
Infinity	164
JBL	164

TV	Code Number
JCPenney	070, 004, 008, 009, 030 065, 101, 160, 024, 143 156
Jensen	013
JVC	038, 001, 083, 034, 199
KEC	043
Kenwood	070, 001
Kloss	002, 059
KMC	143
KTV	043, 143, 154, 070
Lodgenet	072
Logik	072
Lauxman	004
LXI	007, 015, 052, 081, 160
Magnavox	164, 059, 070, 003, 004 060, 061, 063, 064, 022 094, 127, 160
Marantz	070, 164
Matsui	164
Memorex	004, 007, 072
Metz	088
MGA	024, 070, 004, 024, 028 042
Minerva	088
Mitsubishi	024, 004, 040, 042, 028 146
MTC	070, 004, 062, 101
NAD	015, 025
NEC	070, 040, 016, 056, 024 130, 134, 019, 004
Nikei	043
Onking	043
Onwa	043
Optonica	019, 081
Orion	201, 202, 203, 204, 205
Panasonic	034, 080, 056, 164
Philco	164, 070, 003, 059, 060 064, 004, 056, 063, 024
Philips	164, 093, 038, 005, 059 127, 070, 003, 004
Pioneer	025, 070, 004, 018, 023 190
Portland	004, 143, 065
Proscan	160, 161, 167, 145, 065
Proton	004, 058, 112, 143, 171 173
Quasar	034, 056, 080, 164
Radio Shack	004, 019, 043, 127, 143

Appendix: Code Lists

TV	Code Number
RCA	160, 161, 145, 167, 156 165, 065, 070, 004, 023 024, 056, 074, 152
Realistic	007, 019, 043, 047
Runco	072, 130
Sampo	202, 070, 004, 058, 207
Samsung	101, 004, 050, 089, 105 160, 127, 143, 133
Sanyo	007, 020, 053, 057, 082
Scott	004, 028, 043, 048, 143
Sears	015, 030, 028, 094, 004 007, 057, 082, 143, 160 167
Seleco	200
Sharp	081, 004, 014, 019, 022 028, 143
Siemens	088
Signature	072
Sony	001, 085, 126, 166, 079
Soundesign	028, 003, 004, 043
Spectricon	112
SSS	004, 043
Supre Macy	002
Sylvania	070, 003, 059, 060, 063 064, 127, 160, 164, 044
Symphonics	194, 052
Tandy	081
Tatung	056, 062
Technics	034, 080
Techwood	004
Teknika	002, 003, 004, 024, 028 043, 072, 101, 143
Telerent	072
Tera	173
TMK	004
Toshiba	015, 030, 007, 040, 062 101
Universal	008, 009
Video Concepts	146
Vidtech	004
Wards	004, 019, 064, 008, 009 028, 060, 061, 063, 072 074, 143, 164, 165
Westing House	076, 120
Yamaha	070, 004
York	004
Yupiteru	143
Zenith	072, 073, 095, 103
Zonda	112

VCR	Code Number
Alwa	034
Akai	016, 043, 046, 124, 125 142, 146
Ampro	072
Anam	031
Audio Dynamics	012, 023, 039, 043
Brooksonic	035, 037, 044, 129, 152
Canon	028, 031
Capehart	108
Craig	003, 040, 135
Curtis Mathes	031, 041, 156
Daewoo	117, 119, 005, 116, 007 101, 065, 108, 110, 112
Daytron	108
Dimensia	156
DBX	012, 023, 039, 043
Dynatech	034, 053
Electrohome	059
Emerson	006, 029, 035, 025, 027 034, 036, 037, 046, 101 129, 131, 138, 017, 031 044, 152, 153, 157
Fisher	003, 008, 009, 010
Funai	034
GE	031, 072, 144, 147, 063 151, 107, 109, 156, 126
Go Video	040, 132, 136
Goldstar/LG	101, 123, 012, 001, 114
Harman Kardon	012, 045
Hitachi	001, 026, 034, 063, 137 150, 156
Hughes	001
Instantreplay	031
JCL	031
JCPenney	012, 001, 040, 101, 156 066
Jensen	043
JVC	048, 050, 043, 130, 060 012, 031, 150, 055, 158
Kenwood	014, 034, 047, 048, 023
Lloyd	034
LXI	034, 003, 009, 017
Magin	040
Magnavox	067, 031, 034, 041, 068 154, 160, 064
Marantz	067, 069, 031, 012, 023
Marta	101
Matsui	027, 030
MEI	031

Appendix: Code Lists

VCR	Code Number
Memorex	102, 101, 003, 010, 014 031, 034, 053, 072, 139 134
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